

FIG. 1

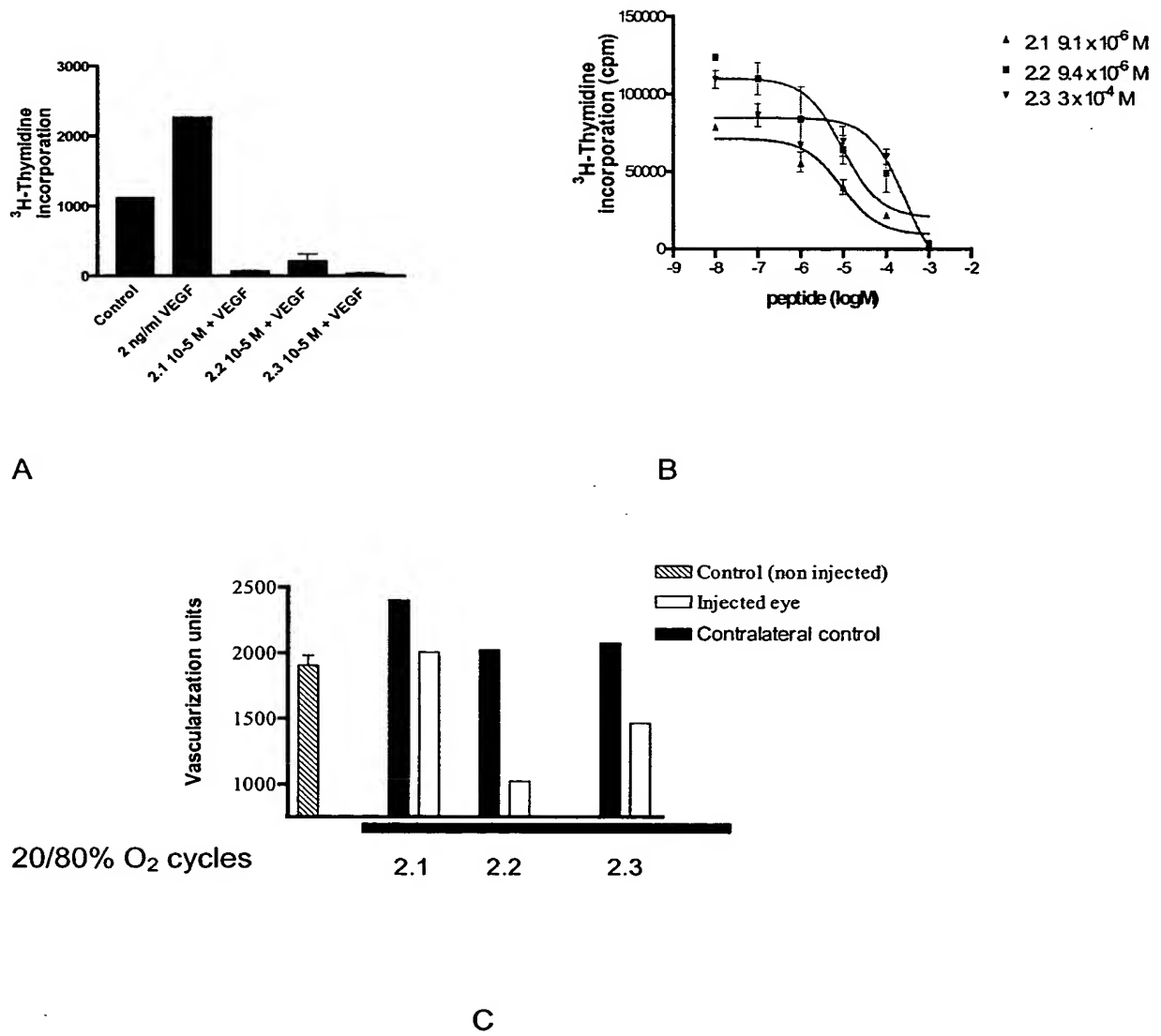


FIG. 2



NLTI RRV RKEDEGLYTCQACSVLGCAKVEAFFIIEGAQEKTNLEIILVGTA VIAMFFWL 780  
 LLVIILRTV KRANGGELKTGYLSIVMDPDELPLDEHCERLPYDASKWEFPRDRLKLGKPL 840  
 GRGAFGQVIEADAFGIDKTATCRTVAVKMLKEGATHSEHRALMSELKILIHIGHHLNVVN 900  
 LLGACTKPGGPLMVIVEFCKFGNLSTYLRSKRNEFVPYKTKGARFRQGKDYVGAIPVDLK 960  
 RRLDSITSSQSSASSGFVEEKSLSDVVEEBEAPEDLYKDFTLEHLICYSFQVAKGMEFLA 1020  
 SRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDARLPLKWMAPETIFDR 1080  
 VYTIQSDVWSFGVLLWEIFSLGASPYPGVKIDEEFCRRLKEGTRMRAPDYTTPEMYQTML 1140  
 DCWHGEP SQRPTFSSELVEHLGNLLQANAQQDGKDYIVLPISETLSMEEDSGLSLPTSPVS 1200  
 CMEEEEVCDPKFHYDNTAGISQYLQNSKRKSRPVSVKTFEDIPLEEPEVKVIPDDNQ TDS 1260  
 GMVLASEELKTLEDRTKLSPSFGGMVPSKSRESVASEGSNQTSGYQSGYHSDDTDTTVYS 1320  
 SEEAELLKLI EIGVQTGSTAQILQPD SGTTLSSPPV

FIG. 3 continued





MKSGSGGGSPTSLWGLLFLSAALSLWPTSGEICGPGIDIRNDYQQLKRLNCTVIRGYLH 60

Chaîne α →

ILLISKAEDYRSYRFPKLTVITEYLLLFRVAGLESGLDLPNLTVIRGWKLFYNYALVIF 120

EMTNLKDIGLYNLRNITRGAIRIEKNADLCYLSTVDWSLILDAVSNNYIVGNKPPKECGD 180

LCPGTMEEKPMCEKTTINNEYNYRCWTTNRCQKMC PSTCGKRACTENNECCHPECLGSCS 240

↑ Cyst rich domain →

APDNDTACVACRHYYYAGVCPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHD 300

GE~~CMQ~~ECPSGFIRNGSQSMYCIPCEGPCPKVCEEEKTKTIDSVTSAQMLQGCTIFKGNL 360

← Cyst rich domain ↑ ↑ L2 domain →

LINIRRGNNIAS~~ELEN~~FMGLIEVVTGYVKIRSHALVSLSFLKNLRLILGEEQLEGNYSF 420

YVL~~DNQ~~NLQQLWDWDHRNLTIKAGKMYFAFNPKLCVSEIYRMEEVTG~~TKGR~~QSKGDINTR 480

NGGERAS~~CESD~~V~~LHFT~~STTTSKNR~~IIIT~~WHRYRPPDYRD~~LISFT~~V~~YYYKE~~APFKNVTEYDG 540

← L2 ↑ ↑ FbnIII-1 →

QDACGSNSWN~~MVD~~VDLPPNKDVEPGILLHGLKPWTQYAVYVKAVTLTMVENDHIRGAKSE 600

ILYIRTNASVPSIPLDVLSASNSSSQLIVKWNPPSLPNGNLSYYIVRWQRQPQDGYLYRH 660

← FbnIII-1 ↑ ↑ FbnIII-2a →

NYCSKDKIPIRKYADGTIDIEEVTENPKTEVCGGEKGPCCACPKTEAEKQAEKEEAEYRK 720

VFENFLHNSIFVPRP~~ER~~KRRDVMQVANTTSSRSRNTTAADTYNITDPEELETEYPPFFES 780

← Juxtamembranaire α / Chaîne α / Chaîne β →

RVDNKERTVIS~~NLR~~PFTLYRIDIHSCNHEAEKLGCSASNFVFARTMPAEGADDIPGPVTW 840

↑ FbnIII-2b domain → ← FbnIII-2b ↑ ↑ FbnIII-3 →

EPRPENSIFLKWPEPENPNGLILMYBIKYGSQVEDQREC~~VSRQ~~EYRKYGGAKLNRLNPGN 900

YTARIQATSLSGNGSW~~TDPVFFYVQAKTGYENFIHLIIALPVAVLLI~~VGGLVIMLYVFHR 960

Juxtamembranous β

KRNNSRLGNGVLYASVNPEYFSAADVVPDEWEVAREKITMSRELQGSFGMVYEGVAKG 1020

VVKDEPETRVAIKTVNEAASMRERIEFLNEASVMKEFNCHHVRLLGVVVSQGQPTLVIME 1080

LMTRGDLKSYLRSLRPEMENNPVLAPPSLSKMIQMAGEIADGMAYLNANKFVHRDLAARN 1140

CMVAEDFTVKIGDFGMTRDIYETDYRKGGKLLPVRWMSPESLKDGVFTTYSDVWSFGV 1200

VLWEIATLAEQPYQGLSNEQVLRFVMEGGLLDKPDNCPDMLFELMRMCWQYNPKMRPSFL 1260

EIISSIKEEMEPGPFREVSFYFSEENKLPEPEELDLEPENMESVPLDPSASSSSSLPLDRH 1320

SGHKAENGPGPGVLVLRASFDERQPYAHMNGGRKNERALPLPQSSTC 1367



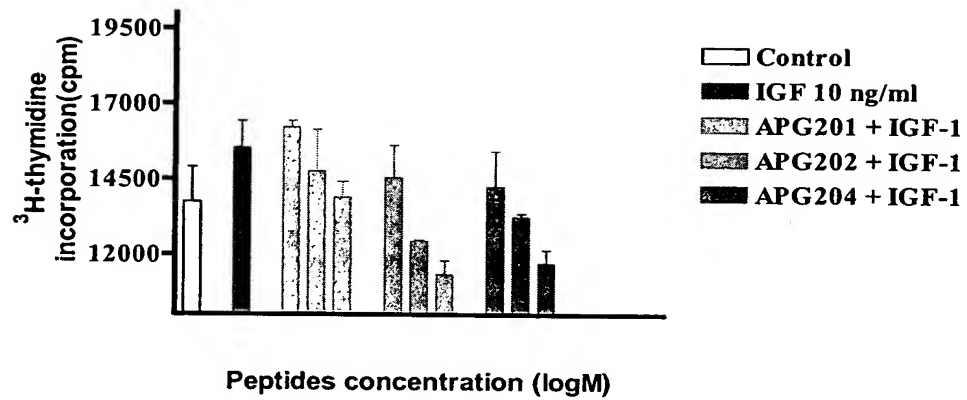
β Chain

FIG. 6





A



B

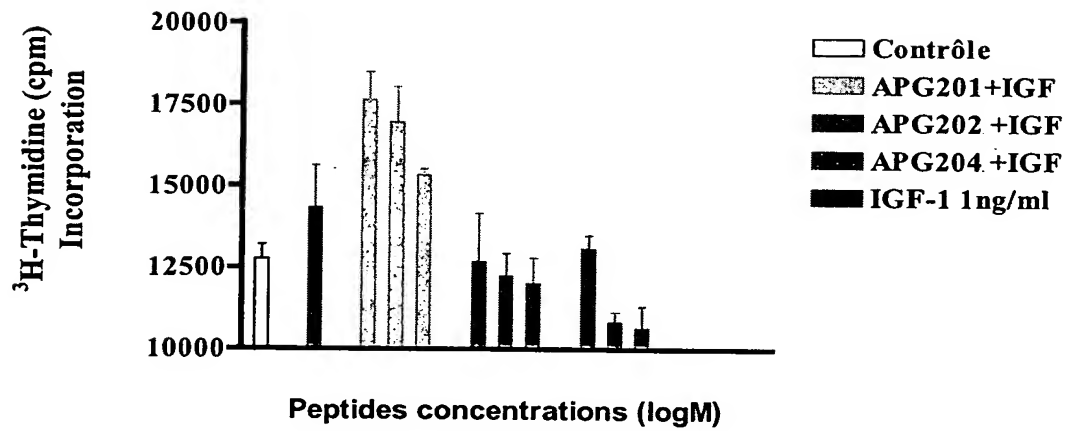
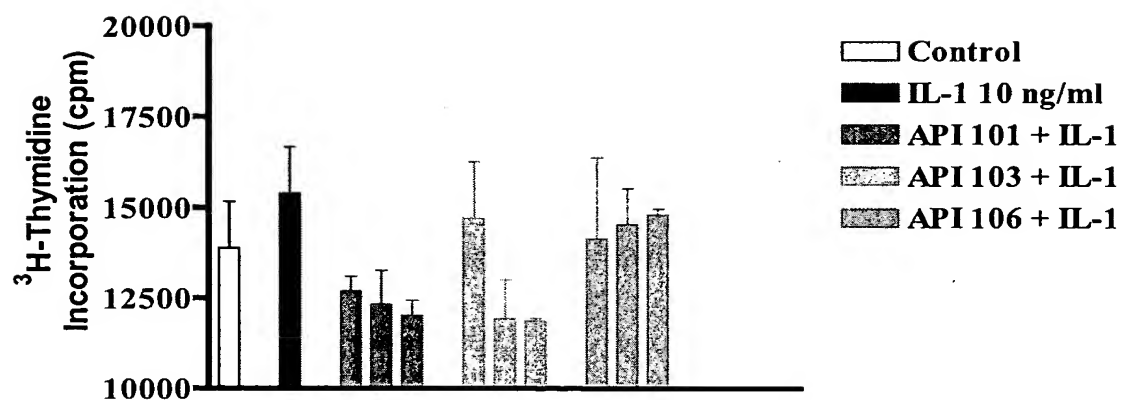


FIG. 8



B

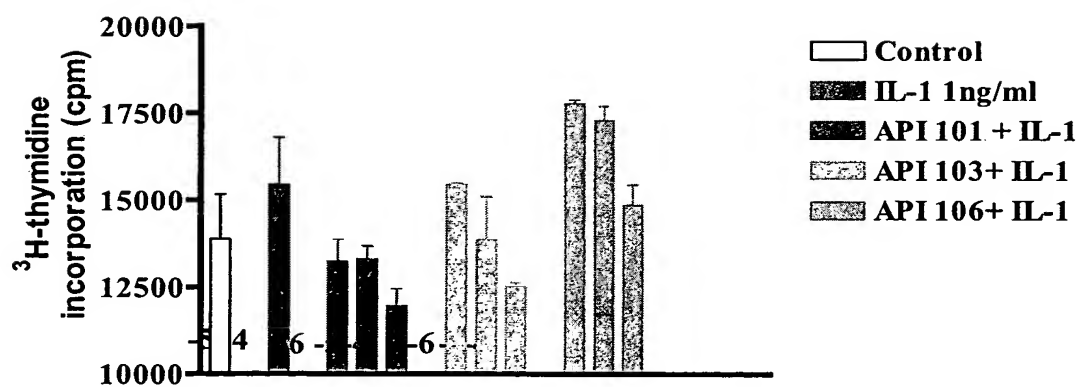


FIG. 9

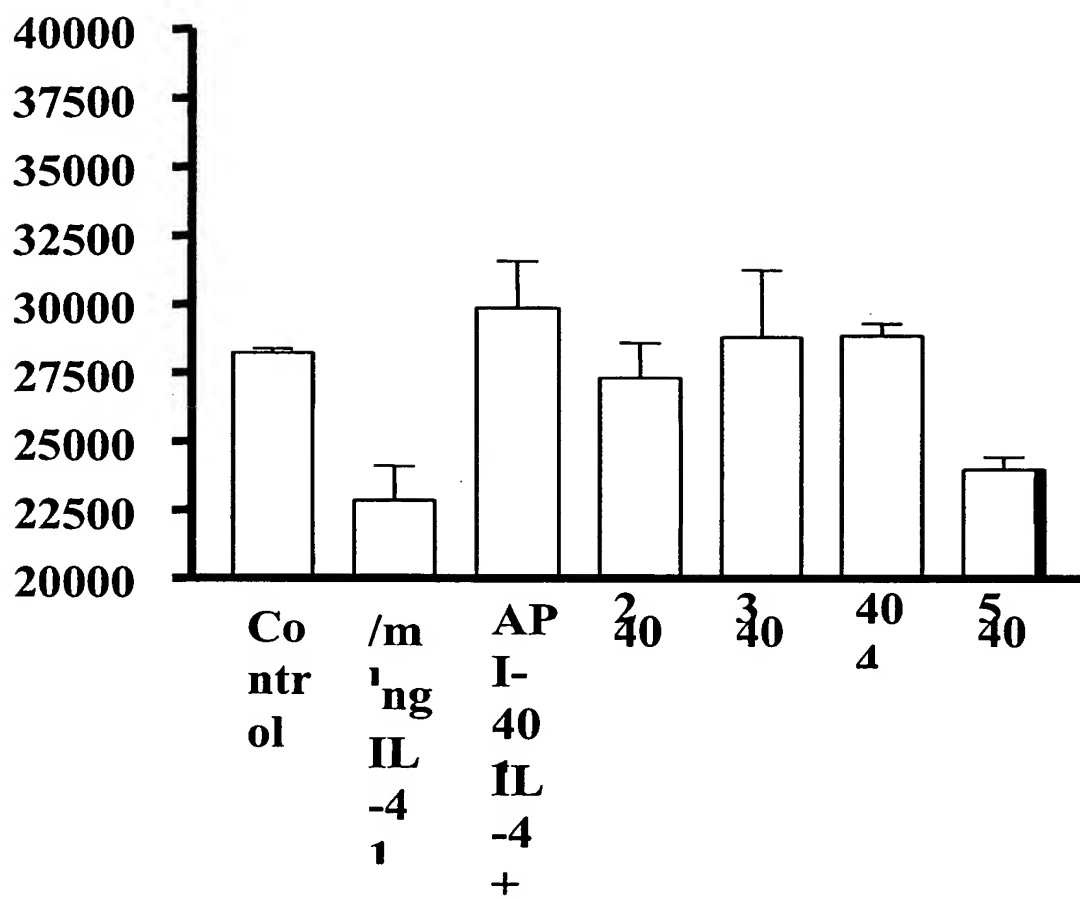


FIG. 10

IL1R_HUMAN	---NKVLLRLICFIALLISLEADKCKEREKIIIVSSANEIDVRPCP--LNPNEHKG-T
IL1R_MOUSE	MENMKVLLGLICLMVPLLS-LPIDVCTEYPNQIVLFLSVNEIDIRKCP--LTPNKMHGDT
IL1R_RAT	MENMKVLLGFICLIVPLLS-LETDKCTEYPNEVISFSSVNEIDIRSCP--LTPNEMHGDT
IL-1R HORSE	MHKMTSTFLLIGHLILLI-LPSAEECVICN----YFVLVGEPTAISCPTITLPLHSDYN
	* : * : * : * : * : * : * : * : * : *
IL1R_HUMAN	ITWYKDDSKTPVSTEQASHIHQKKEKLWFVPAKVEDSGHYVCVVRNSSYCLRIKISAKFV
IL1R_MOUSE	IIWYKDDSKTPISADRDShIHQQNEHLWFVPAKVEDSGYYYCIVRNSTYCLTKKVTVTVL
IL1R_RAT	IIWYKDDSKTPISADKDSH IHQQNEHLWFVPAKVEDSGYYYCIVRNSTYCLTKKITMSVL
IL-1R HORSE	LTWYRNGSNMPITTERRAIIHQKGLLWFIPAALSDSGLYCEVRSLSNRSKOKIINLKVP
	: * : * : * : * : * : * : * : * : *
IL1R_HUMAN	ENEPNLCYNAQAI FKQKLIVAGDGGSLVCPYMEFFKNENNELPKLQWYKDCPKLLLDN--I
IL1R_MOUSE	ENDPGLCYSTQATFPQRLIIAGDGSILVCPYVSYPKDENNELPEVQWYKCKPLLLDN--V
IL1R_RAT	ENDPGLCYNTQASPIQRLIVAGDGSILVCPYLDFFKDENNELPKVQWYKCKPLPLDD--G
IL-1R HORSE	KQDNGLCFNGEMKYDQIVKSANAGKIICPDLENPKDEDNINPEIHWWKECKSGFLDCKRL
	: * : * : * : * : * : * : * : * : *
IL1R_HUMAN	HPSGVKDRLLVMNVAEKHNGNYTCHASYTYLGKQYPITRVIEPITL2ENKPTRFVIVSPA
IL1R_MOUSE	SFFGVKDKLLVRNVAEEHGDYICRMSYTFRGKQYPVTRVIQFITIDENKDRPVILSPR
IL1R_RAT	NFFGFKNKLVMNVAEEHNGNYTCRTSYTQGGKQYPVTRVITFITIDSKRDRPVIMSPR
IL-1R HORSE	VLAEGENAILILNVTIQDKGNYTCRMVYTYMGKQYNVSRTMNLVVKESPLKMRPEFIYPN
	: : : : * : * : * : * : * : * : * : * : *
IL1R_HUMAN	NETMEVDLGSQIOLICNVIG-QLSDIAYWKWNGSVIDEDEFLVGEQDYYSVENPANKRST
IL1R_MOUSE	NETIEADPGSMIOLICNVIG-QFSDLVYWKWNGSEIEWNDFFLAEDYQFVEHPSTKRKYT
IL1R_RAT	NETMEADPGSTIOLICNVIG-QFTDLVYWKWNGSEIEWDDPILAEDYQFLEHPSAKRKYT
IL-1R HORSE	NNTIEVELGSHVMECNVSSGVYGLLPYQWVDEEDVD\$FDSTYREQFYEEGMHGG--IAV
	* : * : * : * : * : * : * : * : *
IL1R_HUMAN	LITVLNISEIESRFYKHFTFCFAKNTHGIDAAYIQLIYFVTNFKHMGICVTLTVIIVC
IL1R_MOUSE	LITTLNISEVKSQFYRYFPICFVKNTHIFESAHVLIYPVPDFKNYLIGGFIIILTATIVC
IL1R_RAT	LITTLNVSEVKSQFYRYFPICFVKNTHILETAHVRLIYPVPDFKNYLIGGFAPATATAVF
IL-1R HORSE	SGTFPNISEVKLQDYAYFFCHFIYDSQFSTSYIKLEHPCQNIIRGYLIGGGISLFLFL
	* : * : * : * : * : * : * : * : *
IL1R_HUMAN	SVFIYKIPKIDIVLWYRLSCYDFLPKASDGKTYDAYILYPKTVGEGSTSDCDIFVFKVL
IL1R_MOUSE	CVCIIYKVFVDIVLWYRLSCSGFLPSKASDGKTYDAYILYPKTLGEGSFSDLDTFVFKLL
IL1R_RAT	CACIYKVFVDIVLWYRLSCSDFLPKASDGRTYDAYVLYPKTYGEGSPAYLDTFVFKLL
IL-1R HORSE	ILIVYKIPKIDIVLWYRLSCHPLLGKVS DGKIYDAYVLYPKWR-ESCLYSSDI FALKIL
	: * : * : * : * : * : * : * : *
IL1R_HUMAN	PEVLEKQCGYKLFYIGRI DYVGEDIVEINENVKSRRLIIILVRETSGPSWLGGSSSEBQ
IL1R_MOUSE	PEVLEGQFGYKLFYIGRI DYVGEDTIEVTNENVKSRRLIIILVRDMGGF SWLGQSSEBQ
IL1R_RAT	PEVLEGQFGYKLFICGRI DYVGEDTIEVTNENVKSRRLIIILVRDMGSPFCLGQSSEBQ
IL-1R HORSE	PEVLERQCGYNLFIFGRNDLAGEAVIDVTDEKIHQSRRVIIILVPEPSCYGILEDASEKH
	***** : * : * : * : * : * : * : * : *
IL1R_HUMAN	IAMYNALVQDGIKVVLLLEKIQDYKMPESIKFIKQKHGAIRWSGDFTQGFPQSAKTRFW
IL1R_MOUSE	IATYNALIQEGIKIVLLLEKIQDYKMPDSIQFIKQKHGVICWSGDFQERFQSAKTRFW
IL1R_RAT	IATYDALIREGIKIIILLLEKIQDYKMPESIQFIKQKHGAICWSGDFKERFQSAKTRFW
IL-1R HORSE	LAVYNALIQDGIKIIILLLEKIEDYANMPESIKYVKQYGAIRWTGDFSERSHSASTRFW
	: * : * : * : * : * : * : * : *
IL1R_HUMAN	KNVRYHMPVQRRSPSSKIQLLSP---ATKEKLQREAHVPLG
IL1R_MOUSE	KNLRYQMPAQRRSPLSKIRLLTLDPVVDTKELPAATHLPLG
IL1R_RAT	KNLRYQMPAQRRSPLSKIRLLTLDPVLDTKELQAETHLPLG
IL-1R HORSE	KKVRYHMPSRKHGSSSG7HLSS-----
	* : * : * : * : * : * : * : * : *

FIGURE 11

IL4R_HUMAN	MGWLCSGLLFPVSCILVLLQVASSGNMKVLQEPCTCVSDYMSISTCEWKNNGPTNCSTELRL
IL4R_MOUSE	MGRLCTKFLTSVGCLILLI VTGSGSIKVLGEPTCPDXYIATSTCEWFLOSAVDCSSQLCL
IL-4R HORSE	MGRLCTKFLTSVGCLILLI VTGSGSIKVLGEPTCPDXYIATSTCEWFLOSAVDCSSQLCL
IL4R_HUMAN	LYQLVFLLS-EAHTCIPENNGGAGCVCHLLMDDVV3ADNYTLDLWAGQQLLWKGSPKPE
IL4R_MOUSE	HYRLMFFEFSENLTICIPNSASTVCVCHMEMNRPVQSDRYOMELWAEHRQLWQGSFSPSG
IL-4R HORSE	HYRLMFFEFSENLTICIPNSASTVCVCHMEMNRPVQSDRYOMELWAEHRQLWQGSFSPSG
IL4R_HUMAN	HVKPRAPGNLTVHTNVSD:LLLTWSNPYPFDNYLVNHLTYAVNIWSENDEADRIYNVTY
IL4R_MOUSE	NVKPLAPDNLTLHTNVSD:WLLTWNLYPSNNLLYKOLISMVNI SREDNPAEFIVYNVTY
IL-4R HORSE	NVKPLAPDNLTLHTNVSD:WLLTWNLYPSNNLLYKOLISMVNI SREDNPAEFIVYNVTY
IL4R_HUMAN	LEPSLRIAASLTLSGSIY:ARVRAWAQCYNTTSEWSPSTKWHNSYREPPQHLLLGVS
IL4R_MOUSE	KEPRLSFPINILMSGVY:ARVVRVSQILTGTWSEWSPSTWYNHPLIQRPLIGVTI
IL-4R HORSE	KEPRLSFPINILMSGVY:ARVVRVSQILTGTWSEWSPSTWYNHPLIQRPLIGVTI
IL4R_HUMAN	SCIVILAVCLLCYVSITKIKKEWWDQIPNPARSLVAIIQDAQGSQWEKRSRGQEPKAC
IL4R_MOUSE	SCLCIPLFCFCYPSITKIKKIWWDDIPTPARSPLVAIIQDAQVPLWQKQTRSQESTKY
IL-4R HORSE	SCLCIPLFCFCYPSITKIKKIWWDDIPTPARSPLVAIIQDAQVPLWQKQTRSQESTKY
IL4R_HUMAN	PHWKNCITKLLPCLFPHN:KRDDEPHKAAKEMPFQSGSKSAWCPVEISKTVLWPE--SIS
IL4R_MOUSE	PHWKTCLDKLLPCLLKHRVKKKTDFPKAAPTSLQSPGKAGWCPMEVSRVLPENVS
IL-4R HORSE	PHWKTCLDKLLPCLLKHRVKKKTDFPKAAPTSLQSPGKAGWCPMEVSRVLPENVS
IL4R_HUMAN	VVRCVELFEAPVECEEEEEVEERKGSFCASPSSRDD-FQEGREGIVARLTESLFLDLG
IL4R_MOUSE	VVRCMELFEAPVQNVEREEDRIVKEDLSMSPENSGGCGFQESQADIMARLTENLFSDLLE
IL-4R HORSE	VVRCMELFEAPVQNVEREEDRIVKEDLSMSPENSGGCGFQESQADIMARLTENLFSDLLE
IL4R_HUMAN	EEZGGFCQODMGESCLLI:PSGSTSAHNPWDEFPSAGPKEAPPWQKEQPLHLEPSPFASPT
IL4R_MOUSE	AENGGLGQSALAESCSP:PSGSGQASVSWACLPMGPSEATCQVTEQPSHGPGLS-GSPA
IL-4R HORSE	AENGGLGQSALAESCSP:PSGSGQASVSWACLPMGPSEATCQVTEQPSHGPGLS-GSPA
IL4R_HUMAN	QSPDNLCTCTPLVIAGNPAYRSFSNLSQSPCPRELOPDPLARHLREVEPEMPCVPOL
IL4R_MOUSE	QSAPTILACTQVPLVLADNPAYRSFSDCCSPAPNPGETAPEQQQADHLEEEEPSPADPHS
IL-4R HORSE	QSAPTILACTQVPLVLADNPAYRSFSDCCSPAPNPGETAPEQQQADHLEEEEPSPADPHS
IL4R_HUMAN	SEPTTVQPEPETWEQII:RNVLQHGAAPVSAPTSGYQEFVHAVEQGGTQASAVVGLG
IL4R_MOUSE	SGPPMQP---VESWEQII:HMSVLQHGAAGSTPAPAGGYQEFVQAVKQGAADPGVPGVR
IL-4R HORSE	SGPPMQP---VESWEQII:HMSVLQHGAAGSTPAPAGGYQEFVQAVKQGAADPGVPGVR
IL4R_HUMAN	PPGEAGYKAFSSLLASSAVSPEKCGFGASSGEEGYKPFQDLIPGCAGDPAPVPVPLFTFG
IL4R_MOUSE	PSGDPGYKAFSSLLSSN:IRGDTAAAGTDDGHGGYKPFQNPVP---NQSPSSVPLFTFG
IL-4R HORSE	PSGDPGYKAFSSLLSSN:IRGDTAAAGTDDGHGGYKPFQNPVP---NQSPSSVPLFTFG
IL4R_HUMAN	LDREPPRSPQSHLPSS:PEHLGLEPGEKVEDMPKPLPQEQATDPLVDSLGSIGIVYSAL
IL4R_MOUSE	LDTELSPSPLNSDPPKS:PECLGLELGLKGODWVKAPPADQVPKPFQDDLPGIVYSAL
IL-4R HORSE	LDTELSPSPLNSDPPKS:PECLGLELGLKGODWVKAPPADQVPKPFQDDLPGIVYSAL
IL4R_HUMAN	TCHLCGHLKQCHGQEDG:QTFVMASPCCGCCGDRSSPPTTPLRAPDPSPGGVPLEASLC
IL4R_MOUSE	TCHLCGHLKQHHSQEEG:QSPIVASPGCGCCYDDRSPLGSLSGALESCPEGIPPEANLM
IL-4R HORSE	TCHLCGHLKQHHSQEEG:QSPIVASPGCGCCYDDRSPLGSLSGALESCPEGIPPEANLM
IL4R_HUMAN	PASLAPSGISEKSKSSSS:FHPAPGNAQSSSQTFKIVNFVSVGPTYMRVS
IL4R_MOUSE	SAPKTPSNLS-----GEGKGPQHSVPVPSQTTEVPVVGALGIAVS
IL-4R HORSE	SAPKTPSNLS-----GEGKGPQHSVPVPSQTTEVPVVGALGIAVS

Figure 12







VGR2_HUMAN	DTTVYSSEEAELLKLIKGVQTGSTAQILQPDSGTTLSSPFV-----
VGR2_MOUSE	DTTVYSSEDEAGILKMVDAAVHADSGTTLQLTSCINSGSPVPAPPPTPGNHERGAA
VGR2_RAT	DTTVYSSEDEAGILKLVDAVGHVDSGTTLRESFV-----
VGR2_QUAIL	DNMVCSSSEDELLCAQEALPTLPRCAMPGIYSPAPVASLPL-----

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Figure 13 (continued)